



PTO/SB/08A (04-07)  
Approved for use through 09/30/2007. CMB 0651-0031  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449 (Rev. 10-01-00)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 11

## Complete if Known

Application Number 10/658,651  
Filing Date September 09, 2003  
First Named Inventor Mark Reiley  
Art Unit 3738  
Examiner Name ISABELLA, DAVID J  
Attorney Docket Number 10002-701.410

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)			
	4	US- 3,596,656	8/3/1971	Kaute	
	7	US- 4,040,130	8/9/1977	Laure	
	9	US- 4,156,296	5/29/1979	Johnson et al.	
	10	US- 4,210,317	7/1/1980	Spann et al.	
	11	US- 4,231,121	11/4/1980	Lewis	
	13	US- 4,349,921	9/21/1982	Kuntz	
	14	US- 4,394,370	7/19/1983	Jefferies	
	15	US- 4,472,840	9/25/1984	Jefferies	
	16	US- 4,611,581	9/16/1986	Steffee	
	17	US- 4,693,722	9/15/1987	Wall	
	21	US- 4,778,472	10/18/1988	Homsy et al.	
	22	US- 4,805,602	2/21/1989	Puno et al.	
	26	US- 4,917,701	4/17/1990	Morgan	
	27	US- 4,950,270	8/21/1990	Bowman et al.	
	28	US- 4,955,916	9/11/1990	Carignan et al.	
	30	US- 5,000,165	3/19/1991	Watanabe	
	31	US- 5,015,255	5/14/1991	Kuslich	
	32	US- 5,019,081	5/28/1991	Watanabe	
	34	US- 5,062,845	11/5/1991	Kuslich et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
		Country Code* Number* Kind Code* (if known)				
	290	FR 2726459	5/10/1996	Desague Jean Pierre		
	291	FR 2749155	12/5/1997	Albert P. Alby		
	374	JP 10082605 A	3/31/1998	Takeuchi et al.		
	373	JP 59010807 A	1/1/1984	Ando, Hisao		
	305	WO 01/06939 A1	2/1/2001	Eurosurgical		
	306	WO 01/15638 A1	3/8/2001	Cauthen Research Group, Inc		

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/5B/08A (04-07)

Approved for use through 09/30/2007. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 11**Complete if Known**

Application Number	10/658,651
Filing Date	September 09, 2003
First Named Inventor	Mark Reiley
Art Unit	3738
Examiner Name	ISABELLA, DAVID J
Attorney Docket Number	10002-701.410

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	38	US- 5,108,399	4/28/1992	Eitenmuller et al.	
	39	US- 5,129,900	7/14/1992	Asher et al.	
	44	US- 5,284,655	2/8/1994	Bogdansky et al.	
	45	US- 5,300,073	4/5/1994	Ray et al.	
	49	US- 5,312,409	5/17/1994	McLaughlin et al.	
	51	US- 5,314,476	5/24/1994	Prewett et al.	
	52	US- 5,314,486	5/24/1994	Zang et al.	
	375	US- 5,314,492	5/24/1994	Hamilton et al.	
	54	US- 5,348,026	9/20/1994	Davidson	
	55	US- 5,350,380	9/27/1994	Goble et al.	
	58	US- 5,405,390	4/11/1995	O'Leary et al.	
	62	US- 5,445,639	8/29/1995	Kuslich et al.	
	63	US- 5,458,641	10/17/1995	Ramirez Jimenez	
	357	US- 5,474,551	12/12/1995	Finn et al.	
	66	US- 5,474,555	12/12/1995	Puno et al.	
	67	US- 5,491,882	2/20/1996	Walston et al.	
	361	US- 5,501,684	3/26/1996	Schlapfer et al.	
	68	US- 5,507,823	4/16/1996	Walston et al.	
	69	US- 5,510,396	4/23/1996	Prewett et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
	307	WO 01/28442 A1	4/26/2001	Spine Next	
	296	WO 96/00049 A1	1/4/1996	Falrant	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). ‡ See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/DRA (04-07)

Approved for use through 09/30/2007. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	3	of	11
-------	---	----	----

**Complete if Known**

Application Number	10/658,651
Filing Date	September 09,2003
First Named Inventor	Mark Reiley
Art Unit	3738
Examiner Name	ISABELLA, DAVID J
Attorney Docket Number	10002-701.410

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	77	US- 5,569,247	10/29/1996	Morrison	
	80	US- 5,571,191	11/5/1996	Fitz	
	81	US- 5,575,792	11/19/1996	Errico et al.	
	82	US- 5,577,995	11/26/1996	Walker et al.	
	83	US- 5,587,695	12/24/1996	Warmerdam	
	84	US- 5,603,713	2/18/1997	Aust et al.	
	85	US- 5,609,641	3/11/1997	Johnson et al.	
	86	US- 5,643,263	7/1/1997	Simonson	
	88	US- 5,649,930	7/22/1997	Kertzner	
	90	US- 5,658,338	8/19/1997	Tullos et al.	
	91	US- 5,662,651	9/2/1997	Tornier et al.	
	96	US- 5,683,391	11/4/1997	Boyd	
	97	US- 5,683,392	11/4/1997	Richelsoph et al.	
	99	US- 5,683,466	11/4/1997	Vitale	
	100	US- 5,688,274	11/18/1997	Errico et al.	
	101	US- 5,690,630	11/25/1997	Errico et al.	
	104	US- 5,704,941	1/6/1998	Jacobser et al.	
	106	US- 5,725,527	3/10/1998	Biedermann et al.	
	107	US- 5,738,585	4/14/1998	Hoyt, III et al.	

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner Signature	Date Considered
-----------------------	--------------------

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (end by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

PTO/SB/08A (04-07)

Approved for use through 09/30/2007. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	4	of	11
-------	---	----	----

**Complete if Known**

Application Number	10/658,651
Filing Date	September 09,2003
First Named Inventor	Mark Reiley
Art Unit	3738
Examiner Name	ISABELLA, DAVID J
Attorney Docket Number	10002-701.410

## U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	108	US- 5,741,255	4/21/1998	Krag et al.	
	110	US- 5,766,253	6/16/1998	Brosnahan, III	
	359	US- 5,776,135	7/7/1998	Errico et al.	
	111	US- 5,782,833	7/21/1998	Haider	
	112	US- 5,797,911	8/25/1998	Sherman et al.	
	113	US- 5,800,433	9/1/1998	Benzel et al.	
	116	US- 5,827,289	10/27/1998	Relley et al.	
	119	US- 5,863,293	1/26/1999	Richelsoph	
	121	US- 5,866,113	2/2/1999	Hoensbroek et al.	
	123	US- 5,879,350	3/9/1999	Sherman et al.	
	124	US- 5,879,396	3/9/1999	Walston et al.	
	125	US- 5,885,285	3/23/1999	Simonson	
	127	US- 5,891,145	4/6/1999	Morrison et al.	
	129	US- 5,947,893	9/7/1999	Agrawal et al.	
	130	US- 5,964,760	10/12/1999	Richelsoph	
	132	US- 6,010,503	1/4/2000	Richelsoph et al.	
	134	US- 6,019,759	2/1/2000	Rogozinski	
	136	US- 6,022,350	2/8/2000	Ganem	
	358	US- 6,050,997	4/18/2000	Mullane, Thomas	

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Date Considered

\*EXAMINER: Include if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Initials of copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document to the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /CDP/

PTO/SB/08A (04-07)

Approved for use through 09/30/2007. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	5	of	11
-------	---	----	----

**Complete if Known**

Application Number	10/658,651
Filing Date	September 09, 2003
First Named Inventor	Mark Reiley
Art Unit	3738
Examiner Name	ISABELLA, DAVID J
Attorney Docket Number	10002-701.410

## U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	143	US- 6,074,391	6/13/2000	Metz-Stavenhagen et al.	
	144	US- 6,077,262	6/20/2000	Schlöpfer et al.	
	146	US- 6,086,590	7/11/2000	Margulies et al.	
	147	US- 6,090,111	7/18/2000	Nichols	
	150	US- 6,132,430	10/17/2000	Wagner	
	151	US- 6,132,464	10/17/2000	Martin	
	153	US- 6,165,177	12/26/2000	Wilson et al.	
	201	US- 6,949,123	9/27/2005	Reiley	
	154	US- 6,190,388 B1	2/20/2001	Michelson et al.	
	157	US- 6,200,322 B1	3/13/2001	Branch et al.	
	158	US- 6,214,012B1	4/10/2001	Karpman et al.	
	159	US- 6,231,575 B1	5/15/2001	Krag	
	160	US- 6,248,105 B1	6/19/2001	Schlöpfer et al.	
	162	US- 6,290,703 B1	9/18/2001	Ganem	
	166	US- 6,340,361 B1	1/22/2002	Kraus et al.	
	170	US- 6,368,320 B1	4/9/2002	Le Couedic et al.	
	180	US- 6,565,565 B1	5/20/2003	Yuan et al.	
	182	US- 6,572,617 B1	6/3/2003	Senegas	
	184	US- 6,585,769 B1	7/1/2003	Muhanna et al.	

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered; include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /CDP/

PTO/SB/08A (04-07)

Approved for use through 09/30/2007. OMB 0651-0031

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	6	of	11
-------	---	----	----

**Complete if Known**

Application Number	10/658,651
Filing Date	September 09, 2003
First Named Inventor	Mark Reiley
Art Unit	3738
Examiner Name	ISABELLA, DAVID J
Attorney Docket Number	10002-701.410

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	194	US- 6,749,361 B2	6/15/2004	Hermann et al.	
	199	US- 6,811,567 B2	11/2/2004	Reiley	
	202	US- 6,974,478 B2	12/13/2005	Reiley	
	363	US- 7,051,451 B2	5/30/2006	Augustino et al.	
	206	US- RE 36,758	6/27/2000	Fitz	
	217	US- 2002/0120272 A1	8/29/2002	Yuan et al.	
	218	US- 2002/0123806 A1	9/5/2002	Reiley	
	227	US- 2004/0006391 A1	1/8/2004	Reiley	
	229	US- 2004/0049273 A1	3/11/2004	Reiley	
	230	US- 2004/0049274 A1	3/11/2004	Reiley	
	231	US- 2004/0049275 A1	3/11/2004	Reiley	
	232	US- 2004/0049276 A1	3/11/2004	Reiley	
	233	US- 2004/0049277 A1	3/11/2004	Reiley	
	235	US- 2004/0049281 A1	3/11/2004	Reiley	
	237	US- 2004/0111154 A1	6/10/2004	Reiley	
	241	US- 2004/0230201 A1	11/18/2004	Yuan et al.	
	242	US- 2004/0230304 A1	11/18/2004	Yuan et al.	
	243	US- 2005/0010291 A1	1/13/2005	Stinson et al.	
	245	US- 2005/0027361 A1	2/3/2005	Reiley	

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner  
Signature

Date Considered

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3a</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

PTO/SB/D8A (04-07)

Approved for use through 09/30/2007. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	7	of	11
-------	---	----	----

**Complete if Known**

Application Number	10/658,651
Filing Date	September 09, 2003
First Named Inventor	Mark Reiley
Art Unit	3738
Examiner Name	ISABELLA, DAVID J
Attorney Docket Number	10002-701.410

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	247	US- 2005/0043799 A1	2/24/2005	Reiley	
	253	US- 2005/0119748 A1	6/2/2005	Reiley et al.	
	254	US- 2005/0131406 A1	6/16/2005	Reiley et al.	
	255	US- 2005/0137705 A1	6/23/2005	Reiley	
	256	US- 2005/0137706 A1	6/23/2005	Reiley	
	257	US- 2005/0143818 A1	6/30/2005	Yuan et al.	
	258	US- 2005/0149190 A1	7/7/2005	Reiley	
	262	US- 2005/0234552 A1	10/20/2005	Reiley	
	263	US- 2005/0235508 A1	10/27/2005	Augustino et al.	
	264	US- 2005/0240264 A1	10/27/2005	Tokish, JR. et al.	
	265	US- 2005/0240265 A1	10/27/2005	Kuiper et al.	
	266	US- 2005/0240266 A1	10/27/2005	Kuiper et al.	
	267	US- 2005/0251256 A1	11/10/2005	Reiley	
	268	US- 2005/0261770 A1	11/24/2005	Kuiper et al.	
	269	US- 2005/0267579 A1	12/1/2005	Reiley et al.	
	271	US- 2005/0283238 A1	12/22/2005	Reiley	
	272	US- 2006/0009847 A1	1/12/2006	Reiley	
	273	US- 2006/0009848 A1	1/12/2006	Reiley	
	274	US- 2006/0009849 A1	1/12/2006	Reiley	

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	Date Considered
-----------------------	--------------------

**\*EXAMINER:** Initial 1 reference considered, whether or not citation is in conformance with MPEP 605. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /CDP/

PTO/SB/08A (04-07)

Approved for use through 09/30/2007. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	8
-------	---

9f	11
----	----

**Complete if Known**

Application Number	10/658,651
Filing Date	September 09,2003
First Named Inventor	Mark Reiley
Art Unit	3738
Examiner Name	ISABELLA, DAVID J
Attorney Docket Number	10002-701.410

## U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Include if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /CDP/

PTO/SB/088 (04-07)

Approved for use through 09/30/2007, OMB 0851-0031  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 9

of

11

**Complete if Known**

Application Number	10/658,651
Filing Date	September 09, 2003
First Named Inventor	Mark Reiley
Art Unit	3733
Examiner Name	ISABELLA, DAVID J
Attorney Docket Number	10002-701.410

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	371	YUAN et al; U.S. Pat. App. # 11/636,252 entitled "Prostheses, Tools, and Methods for Replacement of Natural Facet Joints with Artificial Facet Joint Surfaces" filed 12/08/2006.	
	367	BROMAN et al; U.S. Pat. App. #11/642,417, entitled "Arthroplasty revision system and method" filed 12/20/2006.	
	369	OHRT et al; U.S. Pat. App. # 11/724,927 entitled "Facet and disc arthroplasty system and method" filed 3/15/2007.	
	366	KUIPER et al; U.S. Pat. App. # 11/635,853, entitled "Crossbar Spinal Prosthesis Having a Modular Design and Related Implantation Methods", filed 12/08/2006.	
	376	REILEY et al; U.S. Pat. App. # 11/746,027 entitled "Facet Arthroplasty Devices and Methods," filed 5/08/2007.	
	377	REILEY et al; U.S. Pat. App. # 11/577,872 entitled "Facet Joint Prosthesis" which entered the U.S. from the National Phase 4/24/2007.	
	378	REILEY et al; U.S. Pat. App. # 11/577,923 entitled "Facet Joint Prostheses" filed 4/25/2007.	
	379	KUIPER et al; U.S. Pat. App. # 11/577,964 entitled "Crossbar Spinal Prosthesis Having a Modular Design and Systems for Treating Spinal Pathologies," filed 4/25/2007.	
	380	KUIPER et al; U.S. Pat. App. # 11/577,967 entitled "Crossbar Spinal Prosthesis having a Modular Design and Systems for Treating Spinal Pathologies," filed 4/25/2007.	
	381	REILEY, MARK; U.S. Pat. App. # 11/750,961 entitled "Facet Arthroplasty Device and Methods," filed 5/18/2007.	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or claim a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /CDP/

PTO/SB/08B (04-07)

Approved for use through 09/30/2007. OMB 0651-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 10

of

11

**Complete if Known**

Application Number	10/658,651
Filing Date	September 09, 2003
First Named Inventor	Mark Reiley
Art Unit	3733
Examiner Name	ISABELLA, DAVID J
Attorney Docket Number	10002-701.410

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	382	BERG, et al; U.S. Pat. App. # 11/800,895 entitled "Minimally Invasive Spine Restoration Systems, Devices, Methods, and Kits," filed 5/7/2007.	
	328	ABRAHAM, D.J. et al. "Indications And Trends In Use In Cervical Spinal Fusions." Orthop Clin North Am. October 1998; 29(4):731-44.	
	329	EICHHOLZ, K.M. et al. "Complications of Revision Spinal Surgery", Neurosurg Focus; (September 15, 2003), 15(3): pp. 1-4	
	330	FARFAN, H.F. "Effects of Torsion On The Intervertebral Joints." The Canadian Journal of Surgery, July 1969; 12(3):336-41.	
	332	FARFAN, H.F. et al. "The Relation Of Facet Orientation To Intervertebral Disc Failure." The Canadian Journal of Surgery, April 1967; 10(2):179-85.	
	331	FARFAN, H.F. The Pathological Anatomy Of Degenerative Spondylolisthesis. A Cadaver Study. Spine. 1980 Sep-Oct; 5(5):412-8.	
	338	KIRKALDY-WILLIS, W.H. et al. "Pathology and Pathogenesis Of Lumbar Spondylosis And Stenosis." Spine. Dec. 1978; 3(4):319-28.	
	341	LAM, K. N., et al. X-ray "Diagnosis: A Physician's Approach." Springer-Verlag; 1998.	
	343	LOMBARDI, J.S. et al. "Treatment Of Degenerative Spondylolisthesis." Spine. 1985; 10(9): 821-7.	
	344	MCMILLIN, C. R. et al. Artificial Spinal Discs with up to Five Years Follow-up. 20th Annual Meeting of the Society for Biomaterials (Abstract) 1994; Page 89.	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-766-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /CDP/

PTO/SB/08B (04-07)

Approved for use through 09/30/2007. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 11

of

11

**Complete if Known**

Application Number	10/658,651
Filing Date	September 09, 2003
First Named Inventor	Mark Reiley
Art Unit	3733
Examiner Name	ISABELLA, DAVID J
Attorney Docket Number	10002-701.410

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	347	POSNER, I. et al. A "Biomechanical Analysis of the Clinical Stability of the Lumbar and Lumbosacral Spine." Spine. 1982; 7(4): 374-389.	
	348	ROSENBERG, N.J. "Degenerative Spondylolisthesis. Predisposing Factors." The Journal of Bone and Joint Surgery. 1975; 57-A(4): 467-74.	
	350	SLONE, R. M. et al. Body CT: A Practical Approach. The McGraw-Hill Companies; 1999.	
	351	STOUT, G. H. et al. X-Ray Structure Determination: A Practical Guide. 2nd Edition. John Wiley & Sons; 1989.	
	354	UCR Pedicle Screw System from SeaSpine (information available at <a href="http://www.seaspine.com/UCR_Pedicle_Screw_System.html">http://www.seaspine.com/UCR_Pedicle_Screw_System.html</a> ). Accessed December 5, 2005.	
	355	Vitrex of Lancashire, Great Britain. (Information on Vitrex available at <a href="http://www.matweb.com">http://www.matweb.com</a> ). Accessed December 5, 2005.	

Examiner Signature	/Christopher Prone/	Date Considered	06/17/2009
--------------------	---------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /CDP/